

CLAIMS

1. A laser generator comprising:

a laser generating part including a mirror outputting a laser light,

5 a laser-introducing duct guiding the laser beam output by the laser generating part,

a light path duct installed next to the laser-introducing duct and guiding the laser beam,

a condensing lens placed at an exit of the light path duct and condensing
10 the laser beam, and

at least one of

a pair of a first gas introducing part placed near the mirror at the laser-introducing duct and introducing gas into the laser-introducing duct, and
a first flow laminator placed at the first gas introducing part and regulating
15 flow of the gas, and

a pair of a second gas introducing part placed near the condensing lens at the light path duct and introducing the gas into the light path duct, and
a second flow laminator placed at the second gas introducing part and regulating flow of the gas.

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2. The laser generator according to claim 1,

wherein each of the first and the second flow laminators includes a mesh filter.

25 3. The laser generator according to claim 2,

wherein the mesh filter is one of a plurality of mesh filters, the first and the second flow laminators are composed of the plurality of the mesh filters

placed in layers.

4. The laser generator according to claim 3,

wherein the plurality of the mesh filters including a first mesh filter and
5 a second mesh filter having a different mesh size from the first mesh filter.

5. The laser generator according to claim 1,

wherein the first and the second flow laminator including a filter of thin
wires made like a cotton ball.

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6. The laser generator according to claim 1,

wherein the gas is supplied both when the laser generator is working and
not working.

15 7. The laser generator according to claim 1,

wherein the gas is one of an inert gas and nitrogen.

8. The laser generator according to claim 1 further comprising;

a gas supply source supplying air, and

20 a filter filtering the air supplied by the gas supply source,

wherein at least one of the first and the second gas introducing part uses
the air filtered by the filter as the gas.

9. The laser gas generator according to claim 1,

25 wherein at least one of pressure inside the laser-introducing duct and the
light path duct is higher than pressure outside.